

FIG. 1A

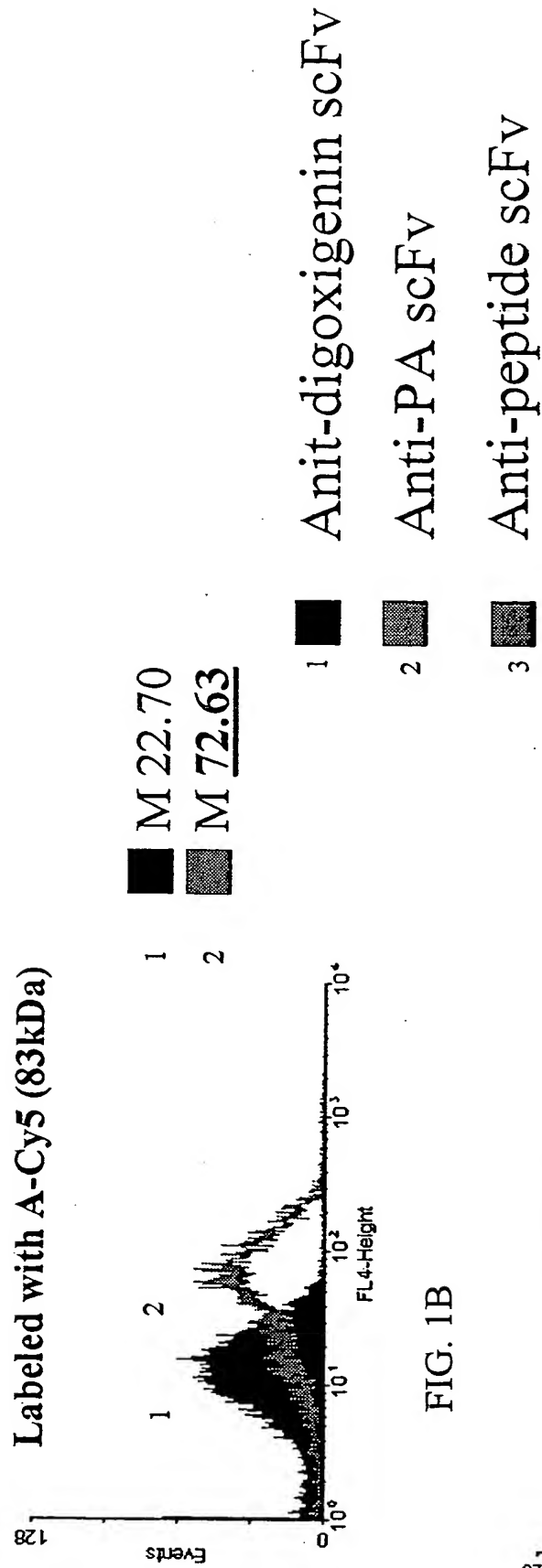
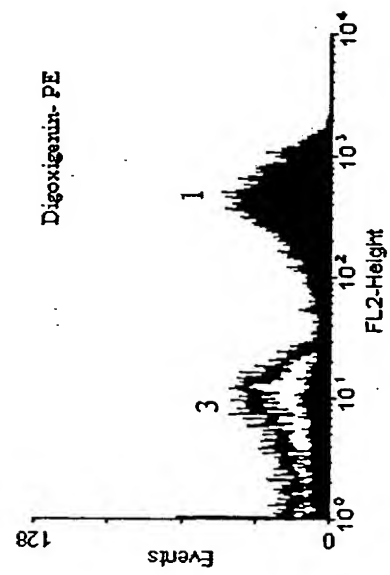


FIG. 1B



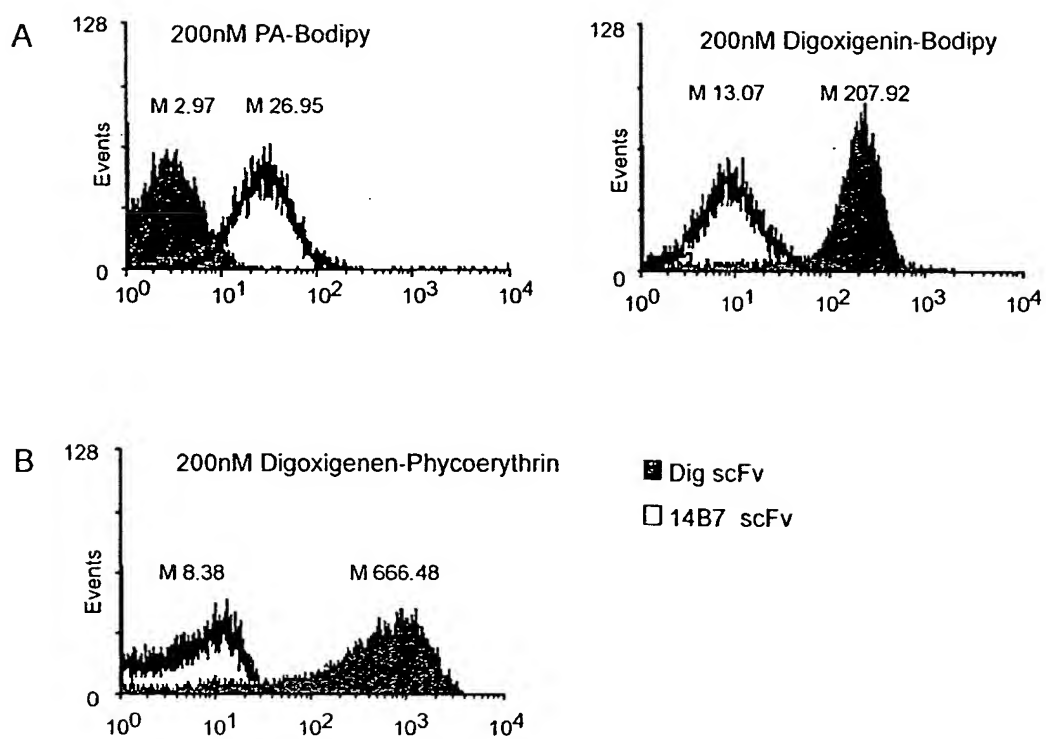


FIG. 2A, B

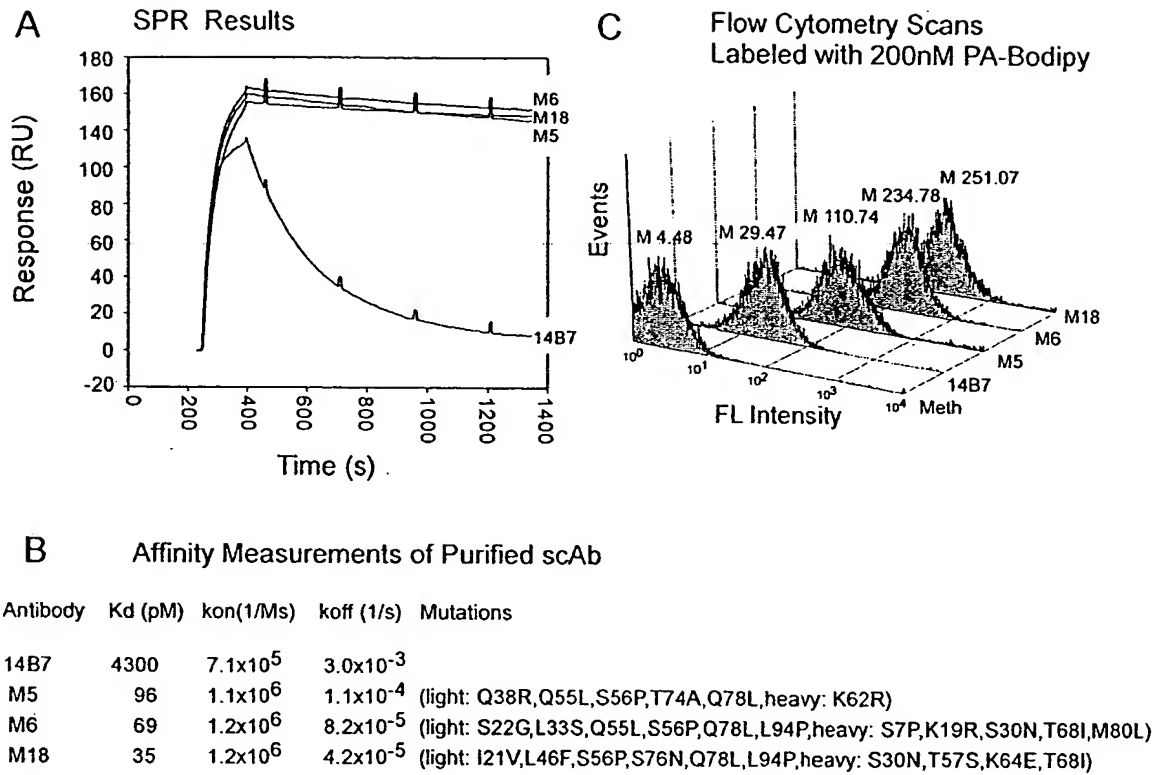
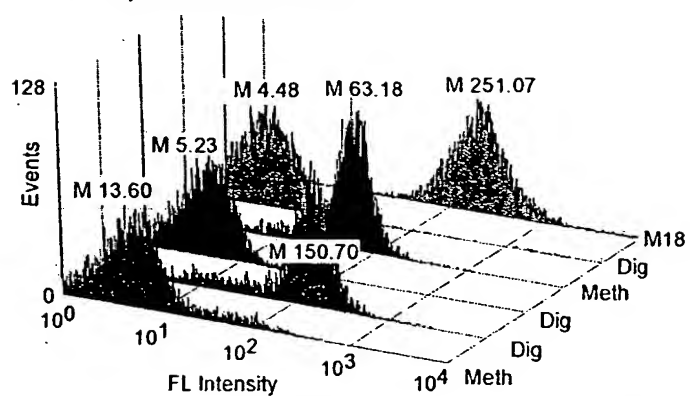
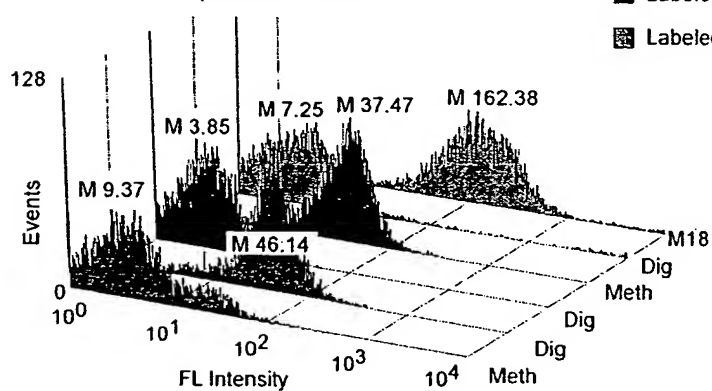


FIG. 3A-C

A NipA anchored scFvs

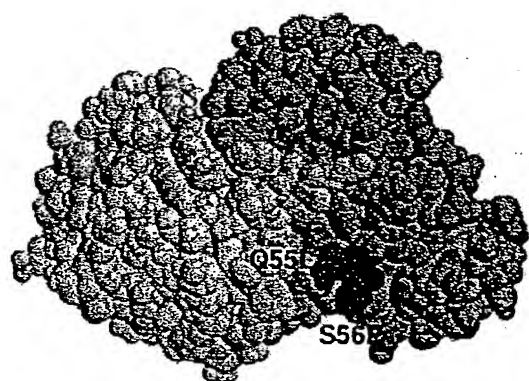


B Gene III protein anchored scFvs

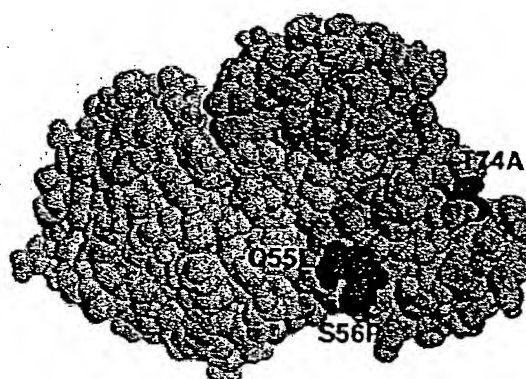


- Labeled with 200nM Digoxigenin-Bodipy
- Labeled with 200nM Methamphetamine-Fluorescein
- Labeled with 200nM PA-Bodipy

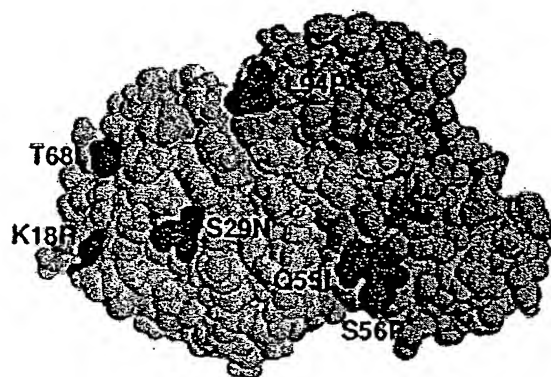
FIG. 4A, B



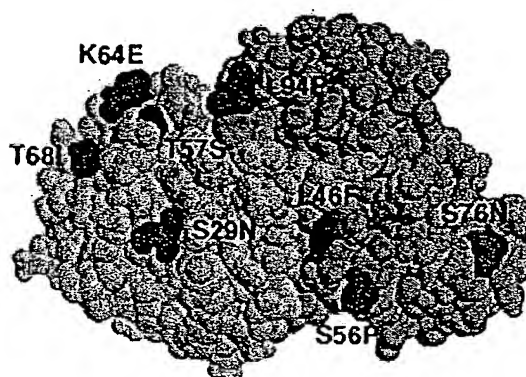
1H $K_D = 260$ pM



M5 $K_D = 96$ pM



M6 $K_D = 69$ pM



M18 $K_D = 35$ pM

FIG. 5

	Variable Light
14B7scFv	DIQMTQTSSLSASLGDRVTISCRASQDIRNYLNWYQQKPDGTVKLLIYYTSRLQSGVPSRFSGSGGTDYSLTISNQEDEDIGTYFCQQGNTLPWTFGGGTKLEIKR
M18scFv	DIQMTQTSSLSASLGDRVTVSCRASQDIRNYLNWYQQKPDGTVKFLIYYTSRLQPGVPSRFSGSGGTDYSLTINNLEQEDIGTYFCQQGNTPPWTFGGGTKLEIKR
	Linker
14B7scFv	GGGGSGGGGGGGGGGGGGG
M18scFv	GGGGSDGGGGGGGGGGGGG
	Variable Heavy
14B7scFv	EVQLQQSGPELVKPGASVKISCKDQSGYAFSSSWMNWVKQRPQGQGLEWIGRIYPGQDNTNYNGKFKGKATLTADKSSSTAYMQLSSLTSVDSAVYFCARSGLLRYAMDYWGQGTSTVTVSS
M18scFv	EVQLQQSGPELVKPGASVKISCKDQSGYAFNSSWMNWKQRPQGQGLEWIGRIYPGQGDNSNYNGKFEKGKALTADKSSSTAYMQLSSLTSVDSAVYFCARSGLLRYAMDYWGQGTSTVTVSS

FIG. 6